

**AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-30. (Canceled)

31. (Previously Presented) A molecular conjugate comprising a human monoclonal antibody that binds to human dendritic cells, linked to an antigen, wherein the antibody comprises heavy chain and light chain variable regions which comprise the amino acid sequences shown in SEQ ID NO:2 and SEQ ID NO:4, respectively.

32-33. (Canceled)

34. (Currently Amended) ~~The molecular conjugate of claim 33,~~ A molecular conjugate comprising a monoclonal antibody that binds to the human macrophage mannose receptor, linked to Pmel-17 antigen, wherein the antibody comprises heavy chain and light chain variable regions which comprise the amino acid sequences shown in SEQ ID NO:2 and SEQ ID NO:4, respectively.

35. (Currently Amended) ~~The molecular conjugate of claim 33,~~ A molecular conjugate comprising a monoclonal antibody that binds to the human macrophage mannose receptor, linked to Pmel-17 antigen, wherein the molecular conjugate is encoded by the nucleotide sequence shown in SEQ ID NO:8.

36-37. (Canceled)

38. (Currently Amended) A composition comprising a molecular conjugate according to claim 27, 31 ~~or 33~~ and a pharmaceutically acceptable carrier.

39. **(Original)** The composition of claim 38 further comprising an adjuvant.

40-50. **(Canceled)**

51. **(Currently Amended)** The molecular conjugate of claim 31 ~~27~~, wherein the antibody binds to the human macrophage mannose receptor ~~comprises the amino acid sequence shown in SEQ ID NO:7.~~

52. **(Currently Amended)** The molecular conjugate of claim 31 ~~30~~, produced as a recombinant fusion protein or a chemical conjugate.

53-56. **(Canceled)**

57. **(New)** A molecular conjugate comprising a monoclonal antibody that binds to the human macrophage mannose receptor, linked to an antigen, wherein the antibody comprises a heavy chain variable region comprising the amino acid sequence shown in SEQ ID NO:2.

58. **(New)** A molecular conjugate comprising a monoclonal antibody that binds to the human macrophage mannose receptor, linked to an antigen, wherein the antibody comprises a light chain variable region comprising the amino acid sequence shown in SEQ ID NO:4.

59. **(New)** A molecular conjugate comprising a monoclonal antibody that binds to the human macrophage mannose receptor, linked to an antigen, wherein the antibody comprises heavy chain and light chain variable regions which comprise the amino acid sequences shown in SEQ ID NO:2 and SEQ ID NO:4, respectively.